Department of Mathematics and Computer Science

September 9, 1983

To: All Faculty Members

From: Bob Martin and Michael Olinick

Subject: Faculty Participation in the Introductory Computer Course

We would like to extend a cordial invitation for you to participate in the course, MA 103: Introduction To Computers. This course is designed to help people acquire elementary computer literacy; it includes an introduction to the word processing, graphics and statistics packages on our computer system as well as primer on BASIC as a programming language.

The "regular" version of this course will be offered in both Fall and Spring terms of this academic year. A special edition of the course ---specifically designed for faculty members--- will be taught in Winter Term. The "regular" versions include major units on the impact of computers and society. In the Winter Term course, more attention will be paid to the programming concepts necessary for the successful development of computer-assisted instruction.

Enclosed you will find a tentative schedule for the Fall Term session, which meets at 9:30 on Tuesdays and Thursdays in Science Center 117. If you would like to audit the class, see a more detailed description of the course, or have an interest in the Winter Term offering, please contact one of us.

MEMO to the Faculty 11/8/83

SUBJECT: New Courses approved by the Curriculum Committee

FROM: Robert W. Gleason
Chairman, Curriculum Committee

At the conclusion of the Faculty Meeting on November 7 a colleague suggested that it would be useful for the Faculty to have descriptions of the courses approved by the Curriculum Committee rather than simply the course numbers and titles. For your information listed below are the descriptions of the courses approved for the spring term, 1984.

1. CL 206 Intermediate Biblical Hebrew, Staff

   This course will be devoted to study of selected portions of the Hebrew Bible, with attention to the completion and refinement of students' knowledge of Hebrew and approaches to interpreting the Biblical text. Prerequisite: Introduction to Biblical Hebrew (Winter Term) or equivalent (by examination).

2. CL 421 Classical Rhetoric, Ms. Adler

   Close study, in English, of classical works on the theory and practice of rhetoric and the representation of rhetorical speech in literature: Plato, Gorgias and Phaedrus; Aristotle, Rhetoric; Cicero, On the Orator; Tacitus, Dialogue on Orators; Quintilian, Institutes; selected speeches of Demosthenes and Cicero; selections from Homer and tragedy. Open by permission to seniors who have had at least 2 courses in Classical literature, philosophy and/or political philosophy in translation.

3. BI 335 Applied Microbiology, John DesRosier

   A discussion of the uses of microorganisms in human affairs, especially as applied to medicine, industrial processes, agriculture, and food and beverage production. A physiological framework will be used to discuss the processes by which microorganisms transform starting materials into useful products. In addition, the manipulation of microorganisms by genetic engineering techniques and the applications of these techniques will be covered. Students will choose their own lab projects on an aspect of applied microbiology and will present their results in a research paper. (BI 230 and BI 250.) 3 hrs. lect., approx. 4 hours lab.

4. PA 354 Philosophy of Language, Kenneth Taylor

   This course centers on issues pertaining to the nature of linguistic meaning. We will also examine some issues in the philosophy of mind which bear on the nature of the cognitive capacities whereby linguistic meaning is grasped. Readings will be taken from the works of such thinkers as Frege, Russell, Wittgenstein, Carnapp, Austin, Quine, Chomsky, Kripke, and Davidson. It is recommended that students have at least one course in logic. Concurrent registration in PA 280 would also be helpful.

5. PS 417 Readings in Social Theory and Comparative Politics, A.Sa'adah

In this seminar, we will read selected 19th and 20th century works which have made a theoretical as well as a substantive contribution to the study of comparative politics. Works to be read this year include: The Protestant Ethic and the Spirit of Capitalism (M. Weber), The Old Regime and the French Revolution (Tocqueville), The 18th Brumaire of Louis Bonaparte (K. Marx), The Origins of Totalitarianism (H. Arendt), Society and Democracy in Germany (R. Dahrendorf), and Social Origins of Dictatorship and Democracy (B. Moore). Raymond Aron's Main Currents in Sociological Thought will also be assigned. Students will be required to write a short essay on each major work read. Permission.

6. SA 356 Socio-Cultural Change, Kathleen McDermott

Explanations of change and development have been a central concern in anthropology throughout its history. This class will address the major theories on the sources and patterns of change. Theories of modernization and underdevelopment will be examined as well as ethnographic data on particular societies and institutions.

MA 103: Introduction To Computers

Fall Term, 1983

Outline of the Course

The first two weeks of the course will introduce you to the role of the computer as word processor and number cruncher. You will learn how to use some "canned" programs on our system to perform text editing, manipulate numerical data, and create and display graphs of functions.

In the third week, we will begin to study computer programming with the BASIC language. The Tuesday lectures will present the main features of BASIC as tool for implementing certain logical structures: sequential tasks, loops, conditional branching, etc. The Thursday lectures will emphasize the "computers and society" aspects of the course. They will deal with selected ways the computer has been and might be used in applications. They will also consider such issues as computer crime, data banks and their threat to privacy, the "cashless society" and the debate over the extent to which computers "think."

What follows is a tentative schedule for the term. As this is only the second time the course will be taught, we will feel free to modify the schedule in response to student needs. The "Thursday series" topics may be changed subject to the availability of outside speakers. We will distribute detailed assignments on a week by week basis.

Tentative Schedule

Tuesday, September 13: Introduction to the Course:
The Computer Revolution
How a Computer is Organized

Thursday, September 15: The Computer as Word Processor I:
Using EDT

Tuesday, September 20: The Computer as Word Processor II:
Using RNO

Thursday, September 22: The Computer as Number Cruncher I:
MINITAB and the manipulation of data

Tuesday, September 27: The Computer as Number Cruncher II:
2D-plot, 3D-plot and the graphing
of functions

Thursday, September 29:	Introduction to BASIC Programming: Input/Output Programming
Tuesday, October 4:	Arithmetic Operations in BASIC
Thursday, October 6:	The Cashless Society: The Computer as a Mixed Blessing

MONDAY, OCTOBER 10: Examination 1

Tuesday, October 11:	Comparing Using BASIC
Thursday, October 13:	Computer Abuse, Misuse and Crime
Tuesday, October 18:	MID TERM RECESS
Thursday, October 20:	Computer Graphics Guest Speaker: Tom Copeland
Tuesday, October 25:	Loops and Interactive Programming
Thursday, October 27:	Computers and the Social Sciences: Contemporary Applications in Geography Guest Speaker: Bob Churchill
Tuesday, November 1:	Manipulating Files in BASIC
Thursday, November 3:	Microcomputers: Should You Buy One? Which One?
Tuesday, November 8:	Arrays and Tables in BASIC
Thursday, November 10:	The Computer and the Humanities

MONDAY, NOVEMBER 14: EXAMINATION 2

Tuesday, November 15:	Menus, Subroutines and Sorting
Thursday, November 17:	Artificial Intelligence: Can Computers Think?
Tuesday, November 22:	String Processing
Thursday, November 24:	THANKSGIVING RECESS
Tuesday, November 29:	Cryptography: Using BASIC to make and break secret codes

Thursday, December 1:	DATATRIEVE, Data Banks and Privacy: Another Look at the Computer as a Mixed Blessing
Tuesday, December 6:	Simulation: using the computer to write poetry, play baseball, and breed mutations
Thursday, December 8:	Computers and the Future: Will Computers Make Orwell's 1984 More or Less Likely?

CATALOGUE SUPPLEMENT
Spring Term 1984

FEB 7 1984

BIOLOGY

BI 190 GENERAL ECOLOGY
This course no longer has prerequisites.

CLASSICS

*CL 121 THE CLASSICAL TRADITION OF THE LIBERAL ARTS AND SCIENCES
This course will not be offered in spring term.

CL 317 PLATO
This course will not be offered in spring term.

ITALIAN

SI 298 THE ITALIANS (IN ENGLISH) New Course
This course presents an overview of Modern Italy through representative works by noteworthy Italian authors. Luigi Barzini's The Italians provides the initial impetus for exploring a society whose diversity will be examined through the writings of seven authors and various genres. Two novels take into account, on the one hand, the fascist experience and its legacy and on the other the dichotomy of North and South. Further works consider other major social concerns: adolescence and the child-parent relationship; the question of the 'Mafia' and its effect on Society; male-female relationship, and the emergence of a 'feminist' consciousness; and the individual in a world of fluctuating social mores. While a serious tone informs some of the texts, some relief is provided by others. Additional brief readings will enhance the students' understanding of the socio-historical aspects of modern Italy. (This course will be taught in English.)
Mr. Tamburri

Polly Noyes
Sci. Ctr. 113

NOV 28 1983

SPRING TERM 1984 CATALOGUE SUPPLEMENT

DIVISION OF FOREIGN LANGUAGES

New Linguistics Concentration:
FL 201 Introduction to Linguistics and/or FL 206 Thinking Linguistics
FL 212 Psycholinguistics
plus any one or two of the courses listed below, to make up a total of four courses:
FL 211 Sociolinguistics
FL 215 Historical Linguistics
FL 225 Sound Patterns of Language
FL 301 Romance Linguistics
FL 500 Independent Study in Linguistics
PA 354 Philosophy of Language

BIOLOGY

BI 335 Applied Microbiology New Course
A discussion of the uses of microorganisms in human affairs, especially as applied to medicine, industrial processes, agriculture, and food and beverage production. A physiological framework will be used todiscuss the processes by which microorganisms transform starting materials into useful products. In addition, the manipulation of microorganisms by genetic engineering techniques and the applications of these techniques will be covered. Students will choose their own lab projects on an aspect of applied microbiology and will present their results in a research paper. (BI 230 and BI 250.) 3 hrs. lect., approx. 4 hours lab. Mr. DesRosier

CHEMISTRY

CH 241	Organic Chemistry I	Mr. Gleason
CH 242	Organic Chemistry II	Mr. Endres
CH 352	Physical Chemistry II	Mr. Sontum
CH 422	Biochemistry	Will Not Be Offered
CH 431	Advanced Inorganic Chemistry	Ms. Kegley
CH 442	Advanced Organic Chemistry	Mr. Endres

CLASSICS

*CL 121 The Classical Tradition of the Liberal Arts and Sciences Offered in Spring
A study of major literary and philosophic works which address themselves to the essential and enduring problems of liberal education. The reading will be organized both historically and by topics: Socrates and Athens; rhetoric and Rome; pagans and Christians, ancients and moderns. Works by Plato, Aristophanes, Xenophon, Cicero, Quintilian, Augustine, Bacon, Vico. (One section of this course, limited to 12 students, will fulfill the freshman writing requirement.) Ms. Adler

CL 206 Intermediate Biblical Hebrew New Course
This course will be devoted to study of selected portions of the Hebrew Bible, with attention to the completion and refinement of students' knowledge of

Hebrew and approaches to interpreting the Biblical text. (Introduction to Biblical Hebrew (Winter Term) or equivalent (by examination).) Staff

CL 317 Plato (formerly CL 417) New course Number/New Prerequisites.
The description for this course remains the same as CL 417 in the Catalogue. However the course now has no prerequisites.

CL 417 Plato Changed to CL 317

CL 421 Classical Rhetoric New Course
Close study, in English, of classical works on the theory and practice of rhetoric and the representation of rhetorical speech in literature: Plato, Gorgias and Phaedrus; Aristotle, Rhetoric; Cicero, On the Orator; Tacitus, Dialogue on Orators; Quintilian, Institutes; selected speeches of Demosthenes and Cicero; selections from Homer and tragedy. Open by permission to seniors who have had at least 2 courses in Classical literature, philosophy and/or political philosophy in translation. Ms. Adler

ECONOMICS

EC 300 Current Problems in Economic Policy New Course
An analysis of the currently popular "solutions" to unemployment, growth, the deficit, and the debt crisis. Supply side economics, industrial policy, incomes policies, gold standards, and proposals for restructuring debt will all be considered. (EC 150.) Mr. Colander

EC 404 Topics in Economic Theory and Policy: New Description
Anti-Inflation Incentives
A consideration of the underlying theory and the political and administrative feasibility of various novel anti-inflation policies (such as tax-based incomes policies) which use market incentives to fight inflation and increase the achievable unemployment level. Papers to be presented at the upcoming Christian A. Johnson Conference will be analyzed, together with a variety of earlier work. (EC 350.)
Mr. Colander

ENGLISH

CN 056 (on p. 99 of the Catalogue) should reflect the following additions:

AL 301 The American Novel I
AL 302 The American Novel II

EL 175 The Structure of Poetry Will Not Be Offered

EL 421 Seminar: Shakespearean Tragedy Will Not Be Offered

FRENCH

FR 207 Introduction to French Poetry Ms. Schub

FR 208 Introduction to French Theatre Mr. France

FR 209 Introduction to French Prose Ms. O'Connor

FR 315 The Nineteenth Century Novel Will Be Offered in Spring
The course will study major novels of Stendhal, Balzac, Flaubert, and Zola, including an examination of the interrelations of literary works and socio-cultural conditions. Ms. Prieto

GERMAN

GN 325 Modern German Politics: New Course
The Crisis of '82 and the Elections of '83

The SDP-FDP coalition, which had held together for over a decade, came apart in the fall of 1982. The tenor of the break-up was, to American ears, bitter and vituperative, to say the least. Video-recordings of the Bundestag sessions that led to the vote of no confidence in Helmust Schmidt's government are documents of considerable political, sociological and anthropological interest. The resulting re-alignment of the FDP with the CDU culminated in Helmut Kohl's victory last spring. Tapes of pre-election debates and of the election-eve and election-night commentary give considerable insight into the nature of democracy in the Federal Republic of Germany. Videotaped commentaries and debates will constitute the primary materials of the course and they will be supported by readings on the political system of the FRG and by newspaper and magazine articles published as the crisis and the campaign progressed. The course will be run in seminar form. Facility in understanding spoken German is presupposed. Mr. Sparks

NORTHERN STUDIES

Spring Semester-In- Residence at the Center for Northern Studies:

NE 395 Northern Resource Conflicts Will Be Offered in Spring

The rapid growth of interest in developing the natural resources of the Circumpolar North has given rise to increasingly severe conflicts among interests active in both the private and public sectors. This course examines the nature of these conflicts in both theoretical and applied terms and assesses the merits of alternative methods of resolving these conflicts.

Ms. Osherenko, Mr. Wenzel, Mr. O. Young

PHILOSOPHY

PA 352 Philosophy of Mind Will Not Be Offered

PA 354 Philosophy of Language Will Be Offered in Spring

This course centers on issues pertaining to the nature of linguistic meaning. We will also examine some issues in the philosophy of mind which bear on the nature of the cognitive capacities whereby linguistic meaning is grasped. Readings will be taken from the works of such thinkers as Frege, Russell, Wittgenstein, Carnap, Austin, Quine, Chomsky, Kripke, and Davidson. It is recommended that students have at least one course in logic. Mr. Taylor

POLITICAL SCIENCE

PS 417 Readings in Social Theory and Comparative Politics New Course

In this seminar, we will read selected 19th and 20th century works which have made a theoretical as well as a substantive contribution to the study of comparative politics. Works to be read this year include: The Protestant Ethic and the Spirit of Capitalism (M. Weber), The Old Regime and the French Revolution (Tocqueville), The 18th Brumaire of Louis Bonaparte (K. Marx), The Origins of Totalitarianism (H. Arendt), Society and Democracy in Germany (R. Dahrendorf), and Social Origins of Dictatorship and Democracy (B. Moore). Raymond Aron's Main Currents in Sociological Thought will also be assigned. Students will be required to write a short essay on each major work read. (Permission.) Ms. Sa'adah

RELIGION

*RE 110	Introduction to Western Religious Life and Thought	Will Not Be Offered
RE 204	The Jewish, Christian and Islamic Traditions	Will Not Be Offered
RE 302	Modern Views of God and Religious Life: The Twentieth Century	Mr. Rockefeller
RE 303	Theories of Religion	Will Not Be Offered

SOCIOLOGY/ANTHROPOLOGY

SA 346 Popular Music and Society — New Course

The emphasis of this course is the organization of the popular music business and the role of popular music in challenging and reinforcing social values. The course examines how the form and content of popular music is influenced by its manufacturer in the music business. It also examines how values are expressed through the content and use of popular music. Mr. Gray

SA 349 Mass Communications in Modern Society — New Course

This course will examine the structure and operation of mass media in contemporary society. Our examination will be guided by a critical and analytic approach to the study of mass communications. The emphasis is on the development and organization of selected forms of mass communication and the effects of these forms on the organization and operations of modern society. Mr. Gray

SA 356 Socio-Cultural Change — New Course

Explanations of change and development have been a central concern in anthropology througout its history. This class will address the major theories on the sources and patterns of change. Theories of modernization and underdevelopment will be examined as well as ethnographic data on particular societies and institutions. Ms. McDermott

SPANISH/ITALIAN

Spanish		
SI 219	Self-Expression in Spanish	Ms. Andreu, Ms. Rubio
Italian		
SI 152	Intensive Beginning Italian	Staff

THEATRE, DANCE AND FILM

TH 218	Introduction to Playwriting	Mr. Anderson
TH 306	Twentieth Century Experiments	Mr. Anderson

PHYSICS

PH 145	Electronics for the Intimidated	Will Not Be Offered
PH 202	Modern Physics II	Ms. Schensted and Mr. Dunham
PH 401	Introduction to Quantum Mechanics	Ms. Schensted

*Foundations Course